PATENT COOPERATION TREATY

Translation

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	See Natification of Transmitted of International Profinition					
KG ZOGPCT	FOR FURTHER ACTION SeeNotification of Transmittal of International Preliminar Examination Report (Form PCT/IPEA/416)					
International application No.	International filing date (day/month/year) Priority date (day/month/year)					
PCT/JP03/16155	17.12.2003 25.02.2003					
International Patent Classification (IPC) or	national classification and IPC					
Int. CI7 B22	F3/10					
Applicant National Institut	e of Advanced Industrial Science and Technology					
This international preliminary exa and is transmitted to the applicant	mination report has been prepared by this International Preliminary Examining Authority according to Article 36.					
2. This REPORT consists of a total of	of sheets, including this cover sheet.					
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of a total of 2 sheets.						
3. This report contains indications re	lating to the following items:					
I XI. Basis of the report						
II Priority	II Priority					
III Non-establishmer	nt of opinion with regard to novelty, inventive step and industrial applicability					
IV Lack of unity of i	IV Lack of unity of invention					
Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability citations and explanations supporting such statement						
VI Certain documents cited						
VII Certain defects in the international application						
VIII Certain observations on the international application						
Date of submission of the demand	Date of completion of this report					
18. 03. 2004	24. 09. 2004					
Name and mailing address of the IPEA/II	Authorized officer					
Facsimile No.	Telephone No.					

International application No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

PCT/JP03/16/55

I. Basis	s of the re	eport
1. With	Fregard to	o the elements of the international application:*
	the inte	ernational application as originally filed
X	the des	scription:
7	pages	$1\sim 14$, as originally filed
	pages	, filed with the demand
	pages	, filed with the letter of
X	` the clais	ums:
4	pages	$5, 7, 8, 10 \sim 13$, as originally filed
	pages	; as originally fried $1 \sim 4$, 9 , as amended (together with any statement under Article 19
	pages	
	pages	, filed with the letter of, Thea with the definance
X	the dra	awings:
لنكنا	ne drav	
	pages	, as originally filed
Ì	pages	, filed with the demand, filed with the demand
_	1	
	•	nence listing part of the description:
<u> </u>	pages	, as originally filed
	pages	, filed with the demand
	pages	, filed with the letter of
The	the land the land or 55.3	
j 5. wid	ammary.e	d to any nucleotide and/or amino acid sequence disclosed in the international application, the international examination was carried out on the basis of the sequence listing: ined in the international application in written form.
	¬·	ined in the international application in written form. together with the international application in computer readable form.
	7)	together with the international application in computer readable form. Shed subsequently to this Authority in written form.
	٦.	shed subsequently to this Authority in written form.
	7	
	interna	statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the national application as filed has been furnished.
·	The sta	statement that the information recorded in computer readable form is identical to the written sequence listing has furnished.
4. X	The ar	mendments have resulted in the cancellation of:
		the description, pages
	X	the claims, Nos. 6, 14
		the drawings, sheets/fig
5.	This rep	eport has been established as if (some of) the amendments had not been made, since they have been considered to go the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
and	70.17).	sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to rt as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16
** Any	replacem	nent sheet containing such amendments must be referred to under item I and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP-03/16/55

tatement		,	
Novelty (N)	Claims	1~5, 7~13	YE
	Claims	,	МО
Inventive step (IS)	Claims	1~5. 7~13	YE
	Claims		МО
Industrial applicability (IA)	Claims	1~5, 7~13	YE
	Claims		МО

PATENT COOPERATION TREATY



PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference				
KG206PCT	FOR FURTHER A	CTION	See Form PCT/IPEA/416	
International application No.	International filing da	ate (day/month/year)	Priority date (day/month/year)	
PCT/JP2003/016155	17 December 20	003 (17.12.2003)	25 February 2003 (25.02.2003)	
International Patent Classification (IPC) or no B22F 3/10	L	•		
Applicant NATIONAL INSTITUTE O	F ADVANCED IN	DUSTRIAL SCIE	NCE AND TECHNOLOGY	
This report is the international prelin Authority under Article 35 and trans	ninary examination rep mitted to the applicant	ort, established by this according to Article 36	International Preliminary Examining	
2. This REPORT consists of a total of	3 sheets	, including this cover sh	neet.	
3. This report is also accompanied by A				
a. (sent to the applicant and	to the International Bu	reau) a total of 2	sheets, as follows:	
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).				
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.				
	icated in the Supplem	DIDO A CACHANCA Lictino	e and number of electronic carrier(s)) and/or tables related thereto, in computer Sequence Listing (see Section 802 of the	
4. This report contains indications relating to the following items:				
Box No. I Basis of the rep	Box No. I Basis of the report			
Box No. II Priority	Box No. II Priority			
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
Box No. IV Lack of unity of invention				
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. VI Certain documents cited				
Box No. VII Certain defects in the international application				
Box No. VIII Certain observations on the international application				
Date of submission of the demand		Date of completion of this report		
08 March 2004 (08.03.2004)		24 Sept	ember 2004 (24.09.2004)	
Name and mailing address of the IPEA/JP		Authorized officer		
Facsimile No.		Telephone No.		

Translation

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2003/016155

BOX INC	D. I	Basis of the report	
1. With othe	regaro	to the language, this report is based on the international application in the landicated under this item.	guage in which it was filed, unless
	This which	report is based on translations from the original language into the following h is language of a translation furnished for the purpose of:	g language,
		international search (under Rules 12.3 and 23.1(b))	
		publication of the international application (under Rule 12.4)	
		international preliminary examination (under Rules 55.2 and/or 55.3)	
		(
J	are not The in	to the elements of the international application, this report is based on the receiving Office in response to an invitation under Article 14 are referre annexed to this report): ternational application as originally filed/furnished scription:	(replacement sheets which have been d to in this report as "originally filed"
	pages	1-14	, as originally filed/furnished
	pages	received by this Authority on	, as originary med/furnished
	pages		
\boxtimes	the cla		
	pages		
	pages'	5, 7, 8, 10-13	, as originally filed/furnished
	pages	, as afficied (toge	ether with any statement) under Article 19
	pages'		
\square	416 - 4		
		wings:	
	pages	1-16	, as originally filed/furnished
	pages*	received by this Audionity on	
	pages	received by this Authority on	
	a sequ	ence listing and/or any related table(s) - see Supplemental Box Relating to Sec	quence Listing.
			•
3. 🔀	The an	nendments have resulted in the cancellation of:	
		he description, pages	
	C-2		
	$\overline{}$		
		he drawings, sheets/figs	
		he sequence listing (specify):	
	L :	ny table(s) related to sequence listing (specify):	
	(Rule 7	port has been established as if (some of) the amendments annexed to this resince they have been considered to go beyond the disclosure as filed, as in 0.2(c)). The description, pages	port and listed below had not been ndicated in the Supplemental Box
* If item	4 appl	es, some or all of those sheets may be marked "superseded."	

International application No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

PCT/JP03/16155

Box No. V	No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability citations and explanations supporting such statement			ıl applicability;
1. Statement				
Novelty (N)	ty (N)	Claims	1-5, 7-13	YES
		Claims		МО
Inventive step (IS)	tive step (IS)	Claims	1-5, 7-13	YES
		Claims		NO
Industrial applicability (IA)	rial applicability (IA)	Claims	1-5, 7-13	YES
		Claims		NO

2. Citations and explanations (Rule 70.7)

Document 1: JP, 53-120612, A (Inoue Japax Research Inc.), 21 October, 1978

Document 2: JP, 63-108191, A (Ishikawajima-Harima Heavy Industries Co., Ltd.), 13 May, 1988

Document 3: JP, 60-101480, A (Ishikawajima-Harima Heavy Industries Co., Ltd.), 05 June, 1985

Document 4: JP, 62-248553, A (Kubota Tekko Kabushiki Kaisha), 29 October, 1987

Claims 1-5, 7-13

The inventions described in claims 1-5, 7-13 are not described in any of documents 1-4 cited in the ISR; nor can they be obviously or logically deduced by a party skilled in the relevant technical field based on prior art.